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|--|-------------------|--------------|--|
| Issue Classification  | Application No. | Applicant(s) | |
| | 10/078,020 | CHOI ET AL. | |
| | Examiner | Art Unit | |
| | John J. Zimmerman | 1775 | |

| ISSUE CLASSIFICATION | | | | | | | | | | |
|---|---|----------|---|--------|--|-----------------------------------|-----|-----|--------------------------|-----------------|
| ORIGINAL | | | | | CROSS REFERENCE(S) | | | | | |
| CLASS | | SUBCLASS | | | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | |
| 428 | | 646 | | | 428 | 647 | 648 | | | |
| INTERNATIONAL CLASSIFICATION | | | | | 420 | 560 | 557 | 561 | | |
| B | 2 | 3 | K | 35/26 | 257 | 780 | 738 | | | |
| C | 2 | 2 | C | 13/00 | 228 | 180.22 | 563 | | | |
| H | 0 | 1 | L | 23/488 | | | | | | |
| | | | | / | | | | | | |
| | | | | / | | | | | | |
| NONE (Assistant Examiner) (Date)  (Legal Instruments Examiner) (Date) | | | | | JOHN J. ZIMMERMAN (Primary Examiner) (Date) 5/14/04 | | | | Total Claims Allowed: 73 | |
| | | | | | | | | | O.G. Print Claim(s) | O.G. Print Fig. |
| | | | | | | | | | 1 | 4D |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | | | | | | | | | <input type="checkbox"/> CPA | | <input type="checkbox"/> T.D. | | <input type="checkbox"/> R.1.47 | |
|--|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |
| 1 | 1 | 24 | 31 | 54 | 61 | 73 | 91 | | 121 | | 151 | | | | 181 |
| | 2 | 25 | 32 | | 62 | | 92 | | 122 | | 152 | | | | 182 |
| | 3 | 26 | 33 | 55 | 63 | | 93 | | 123 | | 153 | | | | 183 |
| | 4 | 27 | 34 | 56 | 64 | | 94 | | 124 | | 154 | | | | 184 |
| 2 | 5 | 28 | 35 | | 65 | | 95 | | 125 | | 155 | | | | 185 |
| 3 | 6 | 29 | 36 | | 66 | | 96 | | 126 | | 156 | | | | 186 |
| | 7 | 30 | 37 | 57 | 67 | | 97 | | 127 | | 157 | | | | 187 |
| | 8 | 31 | 38 | 58 | 68 | | 98 | | 128 | | 158 | | | | 188 |
| 4 | 9 | 32 | 39 | 59 | 69 | | 99 | | 129 | | 159 | | | | 189 |
| 5 | 10 | 33 | 40 | 60 | 70 | | 100 | | 130 | | 160 | | | | 190 |
| 6 | 11 | 34 | 41 | 61 | 71 | | 101 | | 131 | | 161 | | | | 191 |
| 7 | 12 | 35 | 42 | 62 | 72 | | 102 | | 132 | | 162 | | | | 192 |
| 8 | 13 | 36 | 43 | 63 | 73 | | 103 | | 133 | | 163 | | | | 193 |
| 9 | 14 | 37 | 44 | | 74 | | 104 | | 134 | | 164 | | | | 194 |
| 10 | 15 | 38 | 45 | 64 | 75 | | 105 | | 135 | | 165 | | | | 195 |
| 11 | 16 | 39 | 46 | | 76 | | 106 | | 136 | | 166 | | | | 196 |
| 12 | 17 | 40 | 47 | 65 | 77 | | 107 | | 137 | | 167 | | | | 197 |
| | 18 | 41 | 48 | | 78 | | 108 | | 138 | | 168 | | | | 198 |
| 13 | 19 | 42 | 49 | | 79 | | 109 | | 139 | | 169 | | | | 199 |
| | 20 | 43 | 50 | | 80 | | 110 | | 140 | | 170 | | | | 200 |
| 14 | 21 | 44 | 51 | | 81 | | 111 | | 141 | | 171 | | | | 201 |
| 15 | 22 | 45 | 52 | 66 | 82 | | 112 | | 142 | | 172 | | | | 202 |
| 16 | 23 | 46 | 53 | 67 | 83 | | 113 | | 143 | | 173 | | | | 203 |
| 17 | 24 | 47 | 54 | 68 | 84 | | 114 | | 144 | | 174 | | | | 204 |
| 18 | 25 | 48 | 55 | 69 | 85 | | 115 | | 145 | | 175 | | | | 205 |
| 19 | 26 | 49 | 56 | | 86 | | 116 | | 146 | | 176 | | | | 206 |
| 20 | 27 | 50 | 57 | 70 | 87 | | 117 | | 147 | | 177 | | | | 207 |
| 21 | 28 | 51 | 58 | 71 | 88 | | 118 | | 148 | | 178 | | | | 208 |
| 22 | 29 | 52 | 59 | | 89 | | 119 | | 149 | | 179 | | | | 209 |
| 23 | 30 | 53 | 60 | 72 | 90 | | 120 | | 150 | | 180 | | | | 210 |